

# Fairfax County's Glass Recycling

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Department of Public Works and Environmental Services  
*Working for You!*



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# Agenda

- Background
- Glass
- Glass uses
- Projects



# Background

- System Dynamics
  - 90% private/10% publicly collected
- Single Stream Recycling
- Contamination & Cost
- Environmental Improvement
  - Get to true recycling



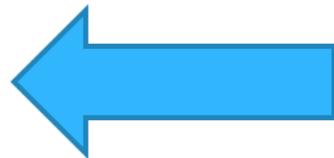
# Single Stream Glass

- MRF Glass



- No Value
- Highly contaminated
- Leftovers from sorting
- Anything under 2"

**LANDFILLS**



# Big Blue- Summer 2017



# Big Blue



# Big Blue



# The Purple Can Club Partnership

- Fairfax County, Arlington County, City of Alexandria, and Prince William County
- Joint press release in April 2019
- Same Color & Style Purple Cans
  - Limited orifice size
- No residency restrictions



# End of Curbside- October 2019

- Glass no longer accepted in Curbside Bin
- Place in Purple Bins or in Trash
- Media event for this release



<https://www.fairfaxcounty.gov/news2/glass-containers-no-longer-required-in-curbside-recycling-program/>



# Glass Communication

- Media Coverage
  - NBC 4, USA 9, ABC 7
  - WAMU
  - Kojo Nnamdi
  - Waste360
  - Channel 16
  - US News & World Report
- Outreach
  - YouTube
  - Facebook, Twitter
  - Next-door
  - Web Articles
  - Local Newsletters
  - Podcasts



# The Purple Can Club- New partners

- Loaner Bin Program
- Flexible Operational Support
- Anyone can bring clean glass \$15/Ton



# Purple Can Club Locations



**RECYCLE** your clean, empty, and dry  
**GLASS** We're **CRUSHING** it!



Scan the QR code to learn more about glass recycling in Fairfax County



# Clean Glass



# Glass to Glass

- Strategic Materials, Inc., Wilson, NC
- Carry All Products (CAP) Glass, Mount Pleasant, PA



# Construction Applications

- ROW use- VDOT approved
  - Bedding & backfill
- Stormwater
  - Choker coarse (bioretention, sand filters)
  - Bio-soil
  - Erosion & sediment control
- Trail base
- Aesthetic
  - Countertops
  - Concrete finishing
  - Ground cover



# Glass Aggregate Cost

- **Glass Gravel- \$8/ton**
  - #8 Stone (Pea Gravel) - \$23/ton
- **Glass Sand- \$5/ton**
  - #25 & #26- \$13.50/ton
  - Manufactured Sand- \$21.00/ton

*Does not include transportation cost*



# Glass Numbers

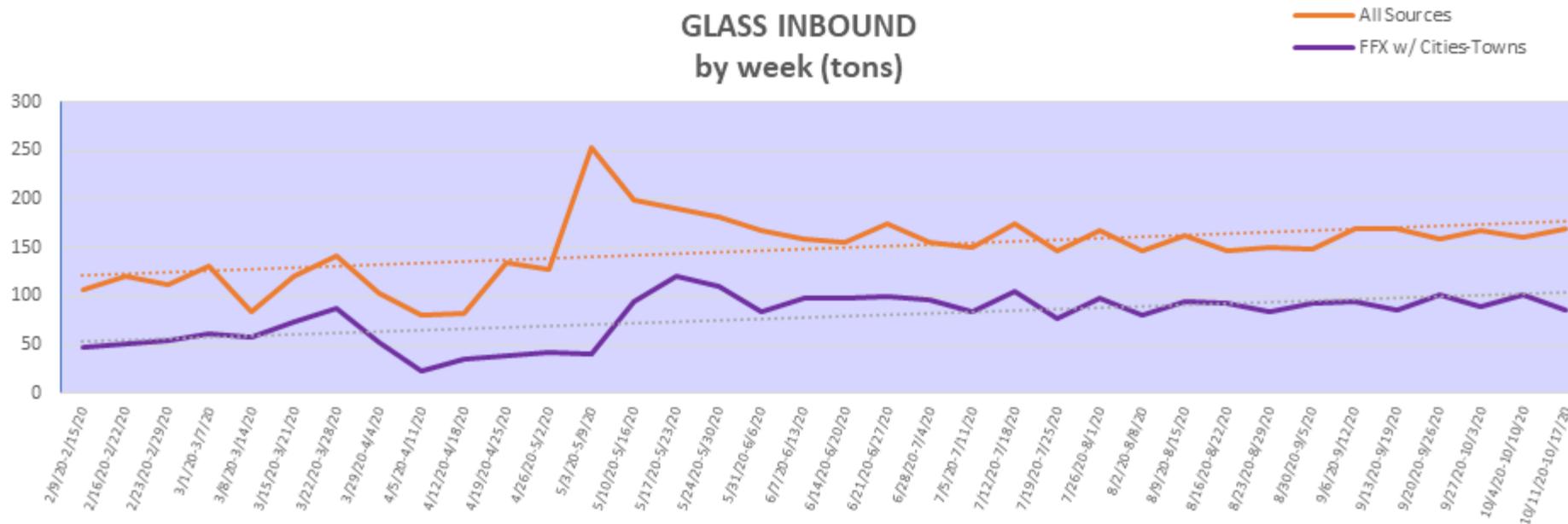
## SS COMPARISON FY19 ~ FY21

\*Oct 2020 - partial month



	Jul	Aug	Sep	*Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY19 ARC Total SS Tons	1,556	1,543	1,392	1,498	964	1,396	1,516	1,094	1,258	1,402	1,306	1,301
FY20 ARC Total SS Tons	1,474	1,363	1,305	1,346	1,237	1,410	1,083	945	1,084	1,027	1,021	849
FY21 ARC Total SS Tons	923	990	912	497								

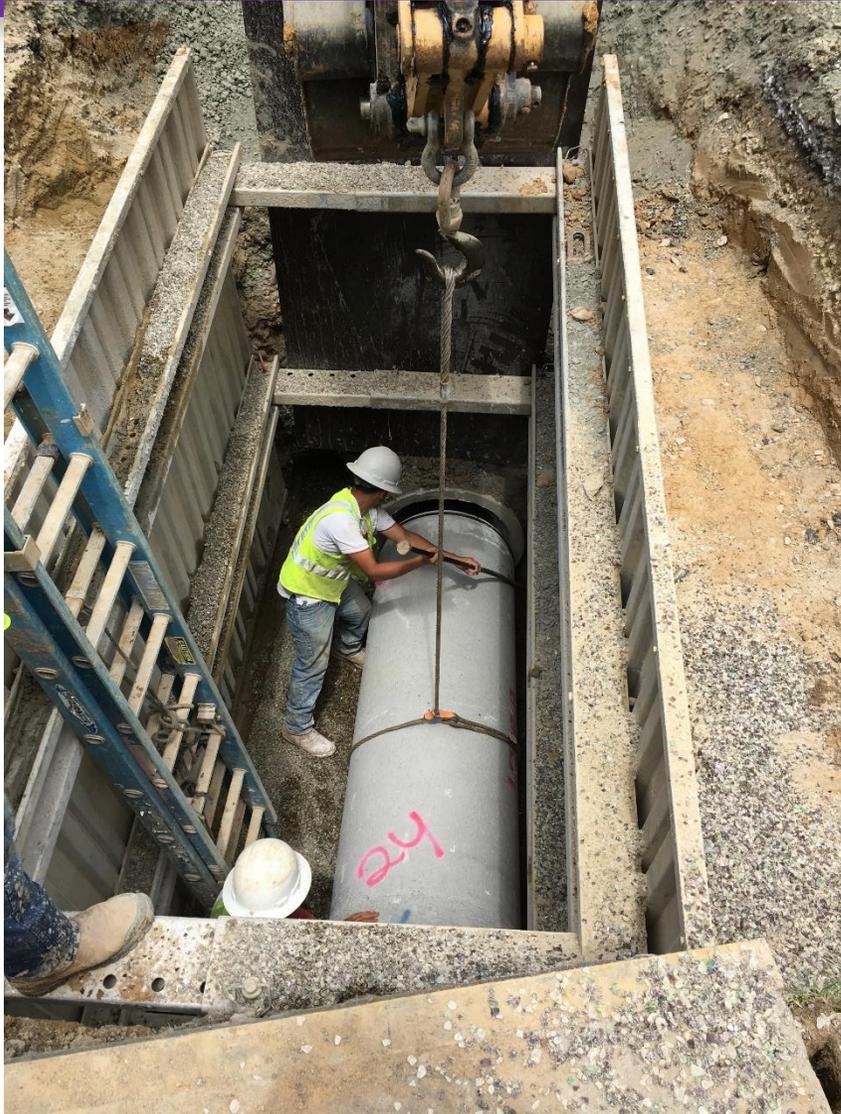
## GLASS INBOUND by week (tons)



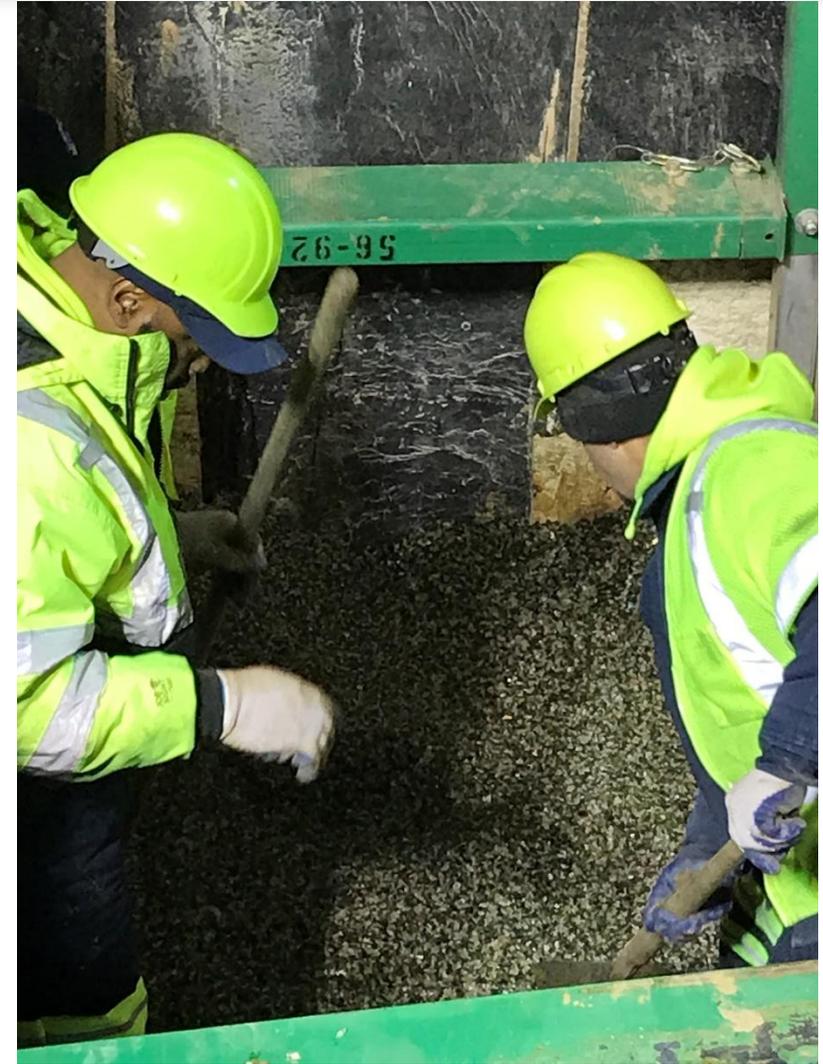
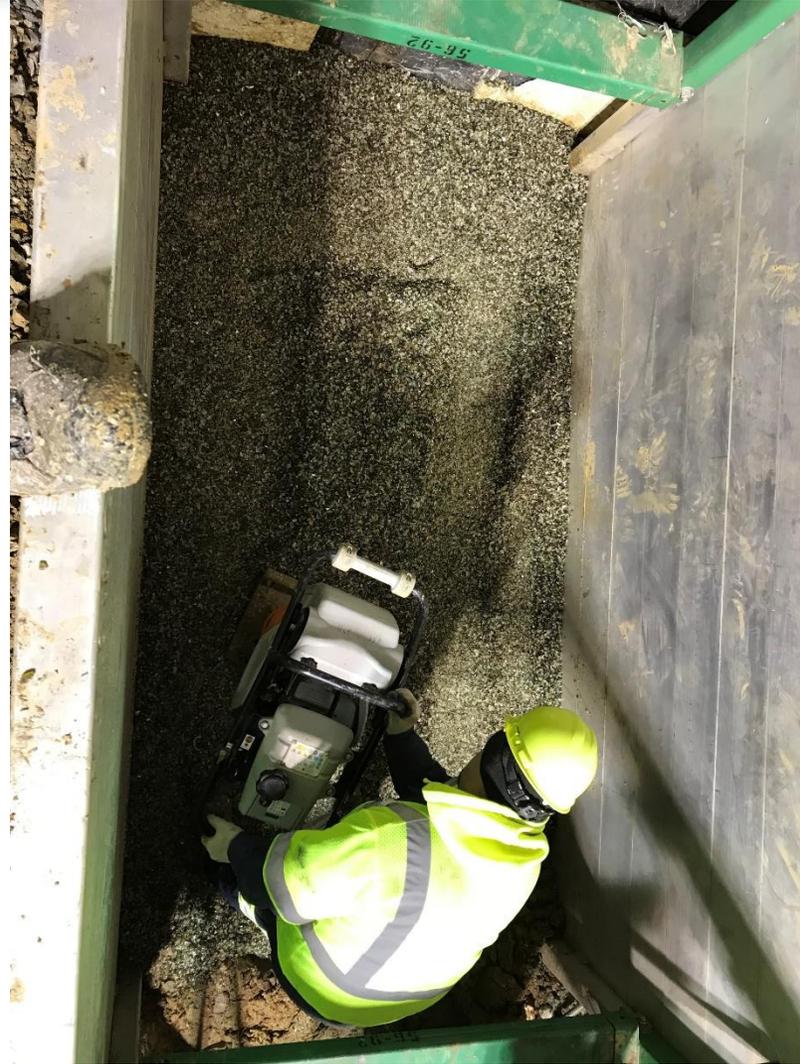
# Flatlick Sewer Rehabilitation



# Lower Potomac Ballpark Basin Project



# Waterline Pipe Repair



# Additional Information

For additional information please contact:

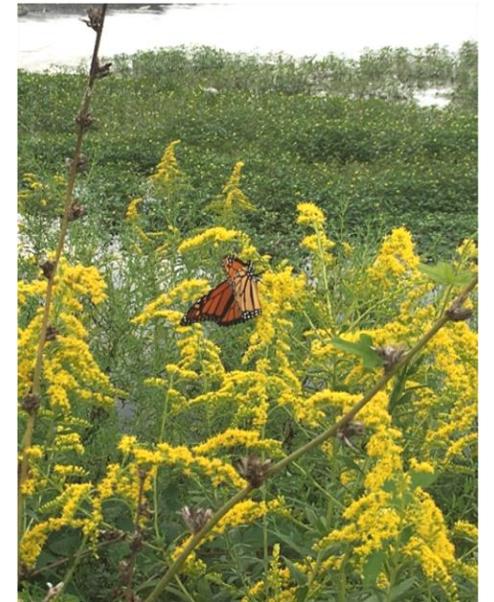
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**FAIRFAX  
RECYCLES**



<https://www.fairfaxcounty.gov/publicworks/recycling-trash/recycle>

